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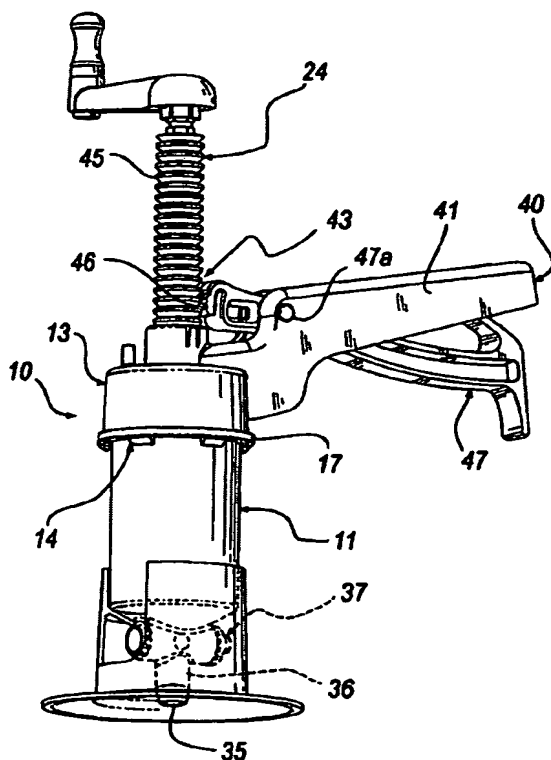
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(54) Title: MIXING AND DISTRIBUTION DEVICE FOR FIXING PASTE, PARTICULARLY FOR MULTICOMPONENT BONE CEMENT



(57) **Abstract:** A mixing and distribution device (10) for fixing paste, particularly for 5 multicomponent bone cement, comprising a box-like body (11) that forms internally a receptacle (12) that is closed in an upper region by a detachable and substantially fluid-tight lid (13), inside which means (18) for mixing the components of the fixing paste are accommodated. The mixing means (18) are coupled to a piston (19) that forms, inside the receptacle (12), a venting chamber toward the lid (13) and a mixing chamber (21) toward the bottom of the receptacle (12); the mixing chamber (21) is connected to a channel (35) for distributing bone cement, which is controlled by valve means (37), and the venting chamber is instead connected to a venting channel (33), which can be functionally associated with suction means. The mixing means (18) are constituted by longitudinally elongated mixing blades (57) arranged so as to slide within complementary through slots (58) formed in the piston (19); a rotation pivot (24) is further locked coaxially on the piston and is arranged so that it can slide through a corresponding fluid-tight hole (25) formed in the lid (13). The rotation pivot (24) is associable with corresponding rotation means (30) that can be operated by a user during the mixing of the multicomponent paste. The venting and mixing chambers (21) are mutually connected for the passage of gaseous fluids.